Proposed Maximum Residue Limit PMRL2011-02

# Cyprosulfamide

*(publié aussi en français)*

**18 March 2011**

This document is published by the Health Canada Pest Management Regulatory Agency. For further information, please contact:

Publications
Pest Management Regulatory Agency
Health Canada
2720 Riverside Drive
A.L. 6604-E2
Ottawa, Ontario K1A 0K9

Internet: pmra.publications@hc-sc.gc.ca
healthcanada.gc.ca/pmra
Facsimile: 613-736-3758
Information Service:
1-800-267-6315 or 613-736-3799
pmra.infoserv@hc-sc.gc.ca

Canada

ISSN 1925-0835 (print)
1925-0843 (online)

Catalogue number H113-24/2011-2E (print version)
H113-24/2011-2E-PDF (PDF version)

**© Her Majesty the Queen in Right of Canada, represented by the Minister of Health Canada, 2011**

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.

Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has granted conditional registration to the chemical safener cyprosulfamide and the herbicide isoxaflutole for use in Canada on field corn. The specific uses approved in Canada are detailed on the product label of Converge Flexx Herbicide, *Pest Control Products Act* Registration Number 29071.

The evaluation of these applications indicated that the end-use product has merit and value and that the human health and environmental risks associated with the new uses are acceptable. Details regarding the registration can be found in the corresponding Evaluation Report available in the Pesticides and Pest Management section of Health Canada's website, under Public Registry, Pesticide Product Information Database.[1]

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to label directions and that such residues will not be a concern to human health. This quantity is then legally established as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

In addition, the PMRA is proposing to establish import MRLs for cyprosulfamide on popcorn and sweet corn to permit the import and sale of food containing these residues. The PMRA has determined the quantity of residues that are likely to remain in or on the imported commodities when cyprosulfamide is used according to label directions in the exporting country, and that such residues will not be a concern to human health. Details regarding the proposed import MRLs can also be found in the referenced Evaluation Report.

Consultation on the proposed MRLs for cyprosulfamide is being conducted via this document (see Next Steps, the last section of this document).

To comply with Canada's international trade obligations, consultation on the proposed MRLs is also being conducted internationally by notifying the World Trade Organization, as coordinated by the Standards Council of Canada.

The proposed MRLs for cyprosulfamide in Canada in or on food are as follows.

[1] The relevant report can be accessed by selecting the Application/All/Historical tab and opening the Evaluation Report found under Application Number 2007-3235.

**Table 1 Proposed Maximum Residue Limits for Cyprosulfamide**

| Common Name | Residue Definition | MRL (ppm) | Food Commodity |
|---|---|---|---|
| Cyprosulfamide | *N*-[[4-[(cyclopropylamino)carbonyl] phenyl]sulfonyl]-2-methoxybenzamide | 0.01 | Field corn, popcorn grain, sweet corn kernels plus cob with husks removed |
| | *N*-[[4-[(cyclopropylamino)carbonyl] phenyl]sulfonyl]-2-methoxybenzamide and the metabolite 4-(aminosulfonyl)-*N*-cyclopropylbenzamide | 0.02 | Eggs, fat, meat and meat byproducts of cattle, goats, hogs, horses, poultry and sheep |
| | | 0.01 | Milk |

A complete list of all pesticide MRLs established in Canada can be found on the Maximum Residue Limits for Pesticides webpage in the Pesticides and Pest Management section of Health Canada's website.

**International Situation and Trade Implications**

Table 2 compares the MRLs proposed for cyprosulfamide in Canada with corresponding American tolerances (listed in the Electronic Code of Federal Regulations, 40 CFR Part 180, by pesticide) and Codex Alimentarius MRLs[2]. Currently, Codex MRLs have not been established for cyprosulfamide on any commodity. A listing of all established Codex MRLs is available on the Codex Alimentarius Pesticide Residues in Food website.

**Table 2 Comparison of Canadian MRLs, American Tolerances and Codex MRLs**

| Food Commodity | Canadian MRL (ppm) | American Tolerance (ppm) | Codex MRL (ppm) |
|---|---|---|---|
| Field corn, popcorn grain, sweet corn kernels plus cob with husks removed | 0.01 | 0.01 | Not Established |
| Meat byproducts of cattle, goats, horses and sheep | 0.02 | 0.02 | Not Established |
| Fat and meat of cattle, goats, horses and sheep | 0.02 | Not Established | Not Established |

[2] The Codex Alimentarius Commission is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.

| Food Commodity | Canadian MRL (ppm) | American Tolerance (ppm) | Codex MRL (ppm) |
|---|---|---|---|
| Fat, meat and meat byproducts of hogs and poultry | 0.02 | Not Established | Not Established |
| Eggs | 0.02 | Not Established | Not Established |
| Milk | 0.01 | Not Established | Not Established |

**Next Steps**

The PMRA invites the public to submit written comments on the proposed MRLs for cyprosulfamide up to 75 days from the date of publication of this document. Please forward your comments to Publications (see the contact information on the cover page of this document). The PMRA will consider all comments received before making a final decision on the proposed MRLs for cyprosulfamide and posting a corresponding Established Maximum Residue Limit document on the PMRA website.